

Claims

We claim:

- 5 1. A radio-frequency (RF) apparatus capable of transmitting radio-frequency signals, the radio-frequency apparatus comprising:
- transmitter path circuitry, including:
- a voltage-controlled oscillator circuitry configured to generate a first signal that has a first frequency; and
- 10 a divider circuitry being responsive to the first signal, the divider circuitry configured to generate a second signal that has a second frequency,
- wherein the second frequency equals the first frequency divided by a number.
- 15 2. A radio-frequency (RF) apparatus, comprising:
- a first circuit partition, comprising receiver analog circuitry configured to produce a digital receive signal from an analog radio-frequency signal; and
- a second circuit partition, comprising receiver digital circuitry configured to accept the digital receive signal, wherein the first and second circuit partitions are partitioned
- 20 so that interference effects between the first circuit partition and the second circuit partition tend to be reduced.

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